

Thorndike Place Arlington, Massachusetts

Transportation Advisory Committee

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Site Location Map



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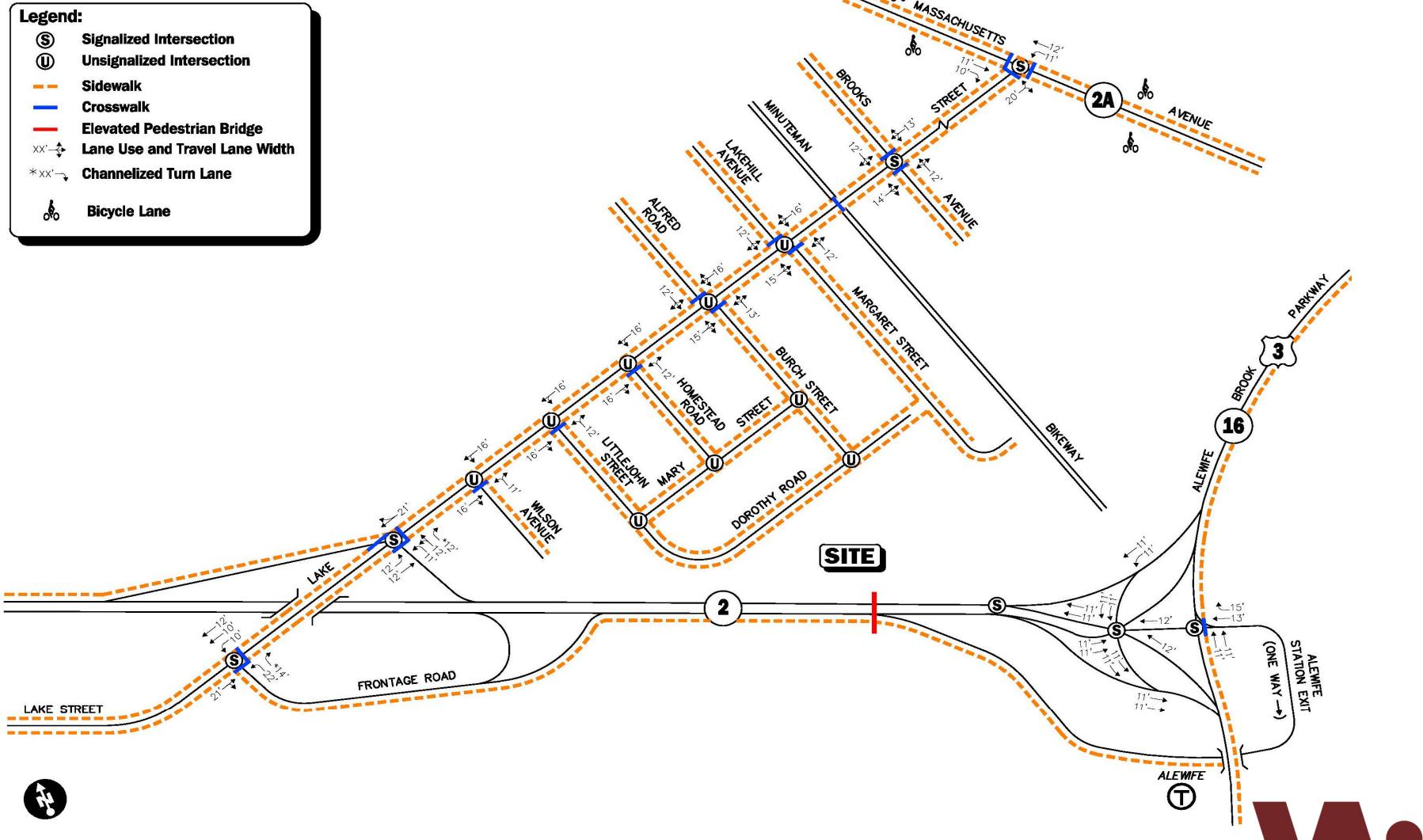
Site Plan



BSC GROUP
803 Summer Street, Boston, MA 02127
617-996-4300

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Study Area Intersections and Existing Physical Inventory





VOX on TWO: 2019 Mode Split^a

Mode	Percent
Single Occupancy Vehicle	39
High Occupancy Vehicle	6
Transit	35
Bike	5
Walk	14
Other	<u>1</u>
TOTAL	100

^a From Vox on Two 2019 PTDM Report filed with the City of Cambridge Community Development Department.



Project Trip Generation Summary

Time Period/ Directional Distribution	ITE Project Vehicle Trips ^a	Project Person Trips ^b	SOV Trips 39%	HOV Trips 6%	Transit Trips 35%	Bike Trips 5%	Walk Trips 14%	Other Trips 1%	Total Project Vehicle Trips ^c
Weekday Daily	958	1,082	422	64	378	54	152	12	430
Weekday Morning Peak Hour: Entering <u>Exiting</u> Total	16 44 60	18 50 68	7 20 27	1 3 4	6 18 24	1 2 3	3 7 10	0 0 0	7 20 27
Weekday Evening Peak Hour: Entering <u>Exiting</u> Total	46 30 76	52 34 86	20 13 33	3 2 5	18 12 30	3 2 5	7 5 12	1 0 1	20 13 33

^a Based on ITE LUC 221, Multifamily Housing (Mid-Rise); 176 units.

^b ITE vehicle trips multiplied by VOR from American Community Survey 2018 5-year estimates for Census Tract 3561; VOR = 1.13

^c SOV+HOV persons trips divided by VOR from American Community Survey 2018 5-year estimates for Census Tract 3561; VOR = 1.13



Overall Project Comments

- Project vehicle trips represent 1 additional vehicle every 2 minutes or less during peak morning and evening peak hours
- Project related traffic volume increases are 0.1 to 0.8 percent during peak hours
- Previous analysis was for 207 units, with estimates of mode split based on census data
 - Larger size and use of census data resulted in higher trip estimates
 - Current project is smaller at 176 units, with more accurate mode split based on surveys of similar developments in close proximity
 - Between a 56 and 64 percent change in vehicle trips between previous analysis and current Project traffic study
- No changes in overall intersection LOS due to Project
- Proposed parking supply meets Town of Arlington requirements and is consistent with industry standards



Project Mitigation

- Aimed at TDM measures intended to further reduce the use of personal vehicles
- New Bluebikes Station at Thorndike Field to address project and existing demands for short-term bike usage on this heavily used bicycle corridor
- Includes 144 sheltered bike parking spaces for residents' use to encourage bicycling
- On-Site Transportation Coordinator to promote sustainable transportation such as bicycle, pedestrian, and transit usage
- Provide Transportation Information Packets to new residents
- Provide Transitscreen© installation in lobby to depict accurate real-time information for transit, Bluebike station, and Uber/Lyft services in area

